Alabama Second Grade Course of Study

Alignment to Science Modules

	Course of Study Objective	Science Module, Lesson
1.	Identify states of matter as solids, liquids, and gases.	**Solids and Liquids** 2.1, 2.3, 3.1, 4.3
	● Describing objects according to physical properties, including hardness, color, and flexibility	**Solids and Liquids** 1.1, 1.2, 2.2, 3.1, 3.2, 3.3, 3.4, 4.3 **Balancing and Weighing** 8, 9, 11, 12, 13, 15 **Soils** 3, 4, 5, 14, 15
	● Describing changes between states of matter Examples: solid to liquid—melting, gas to liquid—condensing, liquid to gas—evaporating, liquid to solid—freezing	**Solids and Liquids** 4.1, 4.3
	● Measuring quantities of solids and liquids	**Solids and Liquids** 2.3 **Soils** 11, 12, 15
2.	Identify vibration as a source of sound.	
	● Identifying pitch and volume as properties of sound	
	● Distinguishing between pitch and volume of sound	
3.	Recognize that light travels in a straight line until it strikes an object.	
	● Recognizing that light can be reflected	
4.	Describe observable effects of forces, including buoyancy, gravity, and magnetism Examples: buoyancy-boat floating on water, gravity-apple falling from tree, magnetism-magnets adhering to metal	**Solids and Liquids** 2.3 extension pg. 30 **Balancing and Weighing** 4, 10, 14

	Course of Study Objective	Science Module, Lesson
	● Identifying simple machines, including the inclined plane, lever, pulley, wedge, screw, and wheel and axle	**Balancing and Weighing** 3, 6, 7, 16
5.	Identify the relationship of structrue to function in plants, including roots, stems, leaves, and flowers.	**Organisms** 4, 5, 6, 12, 13, 15 **Soils** 9 ext. pg. 92, 10, 11, 13 extensions, 16
6.	Identify characteristics of animals, including behavior, size, and body covering	**Organisms** 7, 8, 9, 10, 11, 14, 15 **Soils** 10, Appendix A
	● Comparing existing animals to extinct animals Examples: iguana to stegosaurus, elephant to wooly mammoth	**Organisms** 10
	● Identifying migration and hibernation as survival strategies	**Organisms** 14
7.	Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans.	
	● Identifying local landforms and bodies of water	
	● Identifying components of soil, including sand, clay, and silt	**Organisms** 4 **Soils** 3, 4, 5, 6, 7, 8, 12, 14, 15, 16
8.	Identify evidence of erosion and weathering of rocks.	
9.	Describe evaporation, condensation, and precipitation in the water cycle.	**Organisms** 12
10.	Identify the impact of weather on agriculture, recreation, the economy, and society.	**Soils** 11 extension
	● Recognizing the importance of science and technology to weather predictions	
11.	Identify basic components of our solar system, including the sun, planets, and Earth's moon.	